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IN
SUBJECT: BIOS OF INDIAN CYBERSECURITY EXPERTS

¶1. Summary: This cable includes biographic notes of 13 GOI and Indian private sector cybersecurity interlocutors. These biographies are derived primarily from their resumes, and all below information is in the public domain. End Summary.

¶R. Chandrashekhar

¶2. Ministry of Communication and Information Technology Joint Secretary (e-Governance) R. Chandrashekhar joined the GOI in 1975 as a member of the prestigious Indian Administrative Service (IAS or civil service). He has held a wide variety of assignments, both at the federal level and in the Andhra Pradesh State Government. Chandrashekhar was employed by the Ministry of Commerce in 1992-96 during the early phase of India,s economic liberalization. In July 1996, he was named Chief Managing Director of the Andhra Pradesh Industrial Infrastructure Corporation. Chandrashekhar established India,s first state-level Department of Information Technology and received the additional charge of Secretary for the Department of Information Technology from June 1997 to December 1999. In his current position, he is responsible for India,s national policy on e-governance. Chandrashekhar received a Master of Science in Chemistry from Indian Institute of Technology (IIT)/Bombay and a Master of Science in Computer Science from Pennsylvania State University.

Ashok Dohare

¶3. Ashok Dohare, Inspector General of Police (Madhya Pradesh), joined the Madhya Pradesh cadre of the Indian Police Service (IPS) in 1985. He presently heads the investigation wing of Madhya Pradesh State Human Rights Commission. Dohare was promoted to the rank of Deputy Inspector General of Police in December 1998. He was then Deputy Inspector General of the Police Crime Investigation Department at Bhopal Police Headquarters prior to joining the Sardar Vallabhbhai Patel (SVP) National Police Academy in April 2000, as Deputy Director; he served there for over four years. Dohare was the coordinator for an information technology course and supervised the Academy's research wing. He earned a Master of Science in Mechanical Engineering from the Indian Institute of Sciences (IIS)/Bangalore, and he was a research scholar at IIT/Delhi prior to joining the IPS.

¶4. Dohare authored a book "Manual for Investigation of Computer Related Crime" (2003), and has published research papers on cyber-crime in various journals. He was chief investigator for a research project entitled "Identification of Appropriate Technologies and Procedures for Handling and Analyzing Digital Evidence," which was funded by the Department of Information Technology (DIT); senior expert member of the project review and steering committee for a DIT-funded research project entitled "Development of Digital Evidence Recovery and Analysis Tools," conducted by the Electronics Research and Development Centre in Trivandrum (Kerala); and senior expert member of a project review and steering committee for a DIT-funded research project entitled "Development of Isolating Tools for Steganographic Images,"

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which was conducted by the Electronics Research and Development Centre (Calcutta). Dohare worked on a project entitled "Identification of Appropriate Technologies and Procedures for Handling and Analyzing Digital Evidence" at the SVP National Police Academy. He was also awarded the following honors:

-- Senior Science Talent Search Scholarship by the National Council of Educational Research and Training (NCERT) (1977)

-- Bhubanananda Misra Memorial Trophy for being the second-best all-around student in his IPS batch (1987)

-- Recipient of the India Cup for Proficiency in Police Sciences (1987)

-- Indian Police Medal for Meritorious Services (January 26, 2002)

-- Director SVP National Police Academy Commendation Disc (2002)

Pavan Duggal

¶5. Pavan Duggal, a practicing Supreme Court of India Advocate, is an authority on cyberlaw and e-commerce law. His experience in this field includes: consulting to the UN Conference on Trade and Development (UNCTAD) and the UN Economic and Social Commission for Asia and the Pacific (UNESCAP) on cyberlaw and cybercrime; membership in the Asia-Pacific Council for Trade Facilitation and Electronic Business (AFACT) Legal Working Group under the UN Center for Trade Facilitation and Electronic Business (CEFAT); member of the Board of Experts of the European Commission's e-commerce directive; work as an expert authority on a cyberlaw primer for an e-ASEAN Task Force; and a stint as a reviewer for the Asian Development Bank. Duggal is also a member of the World Intellectual Property Organization (WIPO) Arbitration and Mediation Center Panel of Neutrals.

¶6. Duggal is a member of the Information and Communications Technologies (ICT) Policy and Governance Working Group of the

UNICT Taskforce. He is the legal and policy consultant for the Internet Mark 2 Project, which is examining the next level of the Internet. Duggal has been invited to be an Associated Fellow of the Center for Asia-Pacific Technology Law and Policy (CAPTEL) in Singapore. He is a member of the Panel of Arbitrators of the Regional Center for Arbitration in Kuala Lumpur and the Asian Domain Names Dispute Resolution Center in Hong Kong.

17. Duggal worked with the Ministry of Communication and Information Technology on cyberlaw and electronic governance legal issues and was the counsel for the complainant in India's first cybercrime conviction. He is a member of the Karnataka State Advisory Committee on e-governance and a member of the federal-level Information Forensic Working Group on e-Information Systems, Security and Audit Association.

18. Duggal heads his eponymous niche law firm Pavan Duggal

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Associates, which practices cyberlaw, business process outsourcing law, intellectual property rights and information technology law and information security law. He has been a Member of the Nominating Committee, Membership Advisory Committee, and Membership Implementation Task Force of ICANN, as well as the President of cyberlaws.net, the Internet's first online cyberlaw consultancy. He is also the President of Cyberlaw Asia, the founder of the Cyberlaw Association and the Founder-President of Cyberlaw India.

19. Some of Duggal's early work in the field of BPO legal issues led to his being named to the BPO Steering Committee of the Associated Chambers of Commerce and Industry of India (ASSOCHAM). He continues to advise a number of BPOs on different legal issues relating to outsourcing. Duggal is the Chairman of the ASSOCHAM Cyberlaw Committee and works closely with the Council of Indian Industry (CII) and the Federation of Indian Chambers of Commerce and Industry (FICCI).

110. Duggal has spoken at over 360 conferences, seminars and workshops in the last seven years, and has lectured extensively in select law colleges. He has written six books in the last six years on various legal topics. Duggal has contributed a continuing weekly column on diverse aspects of the law, titled "Brief Cases," to the "Economic Times," for the last several years.

Sunil Gujral

111. Sunil Gujral is Vice President for Technologies and a founder of Wipro Spectramind, which was launched in April 2000 and is now India's largest BPO provider. He completed his Bachelor of Electrical and Electronics Engineering from Birla Institute of Technology and Science (BITS) in Pilani, Rajasthan, followed by a Master of Computer Science from IIT/Delhi. Gujral started his career as a customer software engineer with Wipro Information Technology Ltd. From there he moved to American Express Travel Related Services, where he was responsible for its IT infrastructure across India and adjoining countries. In 1988, he started a software firm called Futuresoft, which later split into Futuresoft (India) Pvt. Ltd., a software development and services company, and Futuresoft Solution Pvt. Ltd., a software products integration and support company.

Kiran Karnik

112. Kiran Karnik, President of India's National Association of Software and Service Companies (NASSCOM) -- the country's leading trade body and chamber of commerce for the IT industry -- works closely with industry and the Indian national and state governments to formulate policies and strategies to advance the IT sector. His key function is to

build "global brand equity" for the Indian software and service industry. "BusinessWeek" in 2005 named Karnik as one of the "Stars of Asia." He was also selected as "Forbes" magazine's "Face of the Year 2003" for being a driving force behind India's BPO industry.

¶13. Karnik worked for over 20 years at the Indian Space

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Research Organization (ISRO), where he held various positions, and was Founder-Director of ISRO's Development and Educational Communicational Unit. In 1991, he joined the Consortium for Educational Communication (CEC) as its first Director. Karnik has also served as Special Assistant to the Secretary-General of UNISPACE 82 and held an extended

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consulting assignment for UNESCO in Afghanistan. He has consulted for WHO, the World Bank, the UN Institute for Disarmament Research, and the Ford Foundation. Prior to joining NASSCOM, Karnik was the Managing Director of Discovery Networks in India, where he spearheaded the South Asia launch of Discovery Channel in August 1995 and Animal Planet (a Discovery-BBC joint venture) in 1999.

¶14. Karnik has been involved with many government committees, including the three-person Prasar Bharati Review Committee (1999-2000) that advised the GOI on modernizing India's national radio networks. He is a member of or consultant to a number of education and environmental NGOs, and currently is Chairman of the National Foundation of India. Karnik has earned many awards, including the 1998 International Astronautical Federation Frank Malina Medal for Space Education. His deep involvement in the Kheda Communications Project won wide national and international acclaim, including the first UNESCO International Program for the Development of Communications Prize for Rural Communication.

¶15. Karnik has authored and edited a large number of publications. He occasionally lectures at major national institutes. A post-graduate from the Indian Institute of Management (IIM)/Ahmedabad, Karnik also holds an honors degree in Physics from Bombay University.

Lt. Gen. (ret.) S S Mehta

¶16. National Security Advisory Board (NSAB) member Lieutenant General (ret.) SS Mehta earned a Master of Science in Defense Studies from the Defense Services Staff College at Wellington, the equivalent of the US Army's Command and General Staff College in Leavenworth, KS. (NOTE: The NSAB is a think-tank of private individuals that advises the National Security Council. End Note.) He is a graduate of the United States Army War College (1990-91) and he attended the Nuclear, Biological and Chemical Defense Course at Tamishenko Academy in Moscow. During his 41 years of military service, Mehta served as Deputy Chief of Army Staff (Planning and Systems) and General Officer Commanding-in-Chief, Army Training Command. Before he retired from the Army in January 2004, he held the prestigious appointment of General Officer Commanding-in-Chief, Western Command, which is responsible for the India-Pakistan border. Mehta represented the military on the National Task Force on Information Technology and was the Army member of the Group of Minister's Task Force on Review of Defense Management. In addition to his NSAB membership, he is Principal Adviser to CII. He earned the Param Vishisht Seva Medal (PVSM) -- India's highest peace-time military honor.

Captain (ret.) Felix Mohan

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¶17. SecureSynergy CEO Felix Mohan was a member of the National Task Force on Information Security under the auspices of the National Security Council. The Task Force was directed to define threat perceptions and formulate the systemic changes needed to ensure India's information infrastructure protection. As chairman of the sub-committee on information security standardization, he helped define standards and protocols for secure information interchange between the Ministry of Defense and the public sector.

¶18. Mohan held a broad range of technical and leadership appointments in the Navy, including the top IT post, Director of Information Technology. In 1990, while heading one of the MoD,s largest computerization projects, he developed a secure programming meta-language named "npoisam," which is still owned by the Indian Navy. Mohan has presented papers on Information Assurance and Information Warfare at various fora and is an external expert for guiding fellowship research in information security. He was also a member of the Information Warfare Committee, tasked with formulating policies and creating infrastructures for offensive and defensive information warfare initiatives. Mohan has written extensively on information security in national newspapers and technical publications.

¶19. Mohan is a member of St. Bernard Software,s Technology Advisory Board. He has represented CII as the industry member in the Indo-US Cyber Security Forum, and presented on "Indian Industry Security Perspectives" and "Critical Infrastructure Protection Initiatives" at Indo-US cyber security discussions in Washington in November 2004. Before taking up his current assignment as CEO of SecureSynergy, Mohan was Advisor (Information Risk Management) at KPMG. He was awarded the Vishisht Seva Medal in 1998 by President KR Narayanan for his innovative work in the field of IT security.

Dr. RK Raghavan

¶20. Dr. RK Raghavan, former Director of the Central Bureau of Investigation (CBI, India,s FBI-equivalent), earned a Master of Arts in Political Science (1962) from Presidency College, Madras (now Chennai), and joined the IPS in 1963. He earned his PhD in 1985 from Karnatak University, Dharwar, for his thesis on IPS personnel management. Raghavan is also a graduate (1989-91) in Criminal Justice from Temple University, Philadelphia. In 1994 he was a Visiting Library Fellow at the School of Criminal Justice, Rutgers University, New Jersey. Raghavan was appointed CBI Director in January 1999, and concurrently headed India,s INTERPOL office. He retired in April 2001. In Fall 2001, he was a Visiting Fellow in the Human Rights Program at Harvard Law School.

¶21. Raghavan has studied many aspects of terrorism. During his tenure as CBI chief, he handled several high-profile cases including the December 1999 hijacking of Indian Airlines flight IC-814, which led to FBI-CBI collaboration. He also successfully forged permanent working arrangements between the two agencies in cyber-crime training and investigation.

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¶22. Raghavan has many publications to his credit. His two books are "Indian Police: Planning, Personnel and Perspectives" (1989, Manohar Publications, New Delhi) and "Policing a Democracy: A Comparative Study of India and the U.S." (1999, Manohar). He wrote a chapter on the IPS for Francine Frankel (ed.) Transforming Democracy (2000, Oxford University Press). Raghavan,s most recent academic paper is "The Indian Police: Problems and Prospects" in The Publius (Fall 2003). He is a frequent contributor to the Hindu, India,s third largest English daily. Raghavan also writes a fortnightly column on law and order for the leading monthly

"Frontline."

¶23. Raghavan is presently the Consulting Advisor (Security) for Tata Consulting Services (TCS). In this role he guides both network and physical security for TCS operations all over the world. Raghavan is also developing a capsule on various aspects of risk management for those dealing with Indian corporations.

Commander Mukesh Saini

¶24. Commander Mukesh Saini is the National Security Council Secretariat (NSCS) Information Security Specialist and head

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of the National Information Security Coordination Cell. In this position, he is responsible for coordinating activities of the National Information Board and sector cybersecurity officers, implementing recommendations from the Information Security Task Force, and international cybersecurity relations (including the Indo-US Cyber Security Forum). Saini is also a member of various GOI joint working groups, including e-governance and Information Security, Next Generation Internet Protocol, and the Canada-India Counter-Terrorism JWG. He is also a member of the selection committee for choosing vendors to implement vulnerability analysis for Indian government networks.

¶25. Saini is an alumnus of the National Defense Academy and the Defense Services Staff College at Wellington. He is specialist in telecommunications and electronic warfare. In the Navy, Saini served in various command and staff positions. He was Deputy Director Naval Signals (Telecommunication and Networking), responsible for procurement and budget for management of naval land based telecommunication systems, prior to joining the NSCS. Saini designed the Navy's Universal Dial-up Plan (UDP). He holds three post-graduate degrees: Master of Science in Defense and Strategic Studies; Master of Business Administration; and Master of Computer Applications. Saini plans to retire from the Navy in early 2006 in order to continue working on cybersecurity issues within the private sector.

Vijaya Sampath

¶26. Ms Vijaya Sampath is the Corporate Director and General Counsel for the Bharti Group. She obtained her law degree in 1975 and is a Fellow of the Institute of Company Secretaries of India. She has completed the International Senior Managers Advanced Management Program at the Harvard Business School and the Program on Managing Strategic Alliances at

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Wharton.

¶27. Ms. Sampath has over twenty years of experience as in-house legal counsel and held senior positions as a chief legal officer, company secretary, and head of communications and strategy in multinational and large Indian groups. Her forte is corporate and commercial law and the regulatory regime in infrastructure (including telecoms). Prior to joining Bharti, she was an Executive Director at Indian Aluminum and a senior partner with the law firm J Sagar Associates.

Rajeeva Ratna Shah

¶28. Planning Commission Secretary Rajeeva Ratna Shah was born in 1945 and joined the IAS in 1967. He served as Secretary in the Information Technology and Industry

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Departments and the Planning Commission. As Secretary for

Information Technology, he was involved with the restructuring of the Department of Electronics into the Department of IT.

¶29. In the broadcasting sector Shah was the CEO of the Prasar Bharati (Public Broadcasting Corporation of India), running over 20 TV channels and 200 radio stations. He brought about the digitization of TV channels and is known for providing the framework and securing approvals for introducing FM radio broadcasting in India. Shah was unanimously elected by all the broadcasters in India as the President of the Indian Broadcasting Foundation and was also Vice-President of the Asia-Pacific Broadcasting Union (ABU).

¶30. Shah,s other government postings have included Trade Commissioner for North and South Americas, (in New York, 1984-87); Secretary for Industrial Policy and Promotion in the Ministry of Commerce and Industry; Secretary in the Cabinet Secretariat; and Joint Secretary in the Ministry of Home Affairs.

Vakul Sharma

¶31. Vakul Sharma has more than ten years of corporate experience as an advisor and corporate lawyer specializing in IT law. Since 1998 he has advised companies and the Indian government on cybersecurity issues. Sharma,s other experience includes:

- Member of the Expert Panel that in 2005 reviewed India,s IT Act.

- Provided legal advice to the Office of the Controller of Certifying Authorities, Ministry of Communication and Information Technology.

- Designed the "Cyber Law and Legal Issues" module for an e-governance course under the UNDP-assisted Program for Capacity Building of Administrative State Training Institutes, supported by the Department of Personnel and Training.

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¶32. Sharma,s other memberships and associations include:

- National Institute of Criminology and Forensic Science, Ministry of Home Affairs, New Delhi (since February 2005)

- National Judicial Academy, Bhopal, (since November 2004)

- National Institute for Smart Government, Hyderabad, (since September 2004)

- Indian Institute of Public Administration, New Delhi, (since November 2002)

- Indian Law Institute, New Delhi, (since March 2001)

¶33. Sharma earned the following degrees: Master of International Studies, Master of Philosophy in International Trade and Development, Executive MBA in International Business, and Bachelor of Laws (LL.B.). His publications include the following:

- "Handbook of Cyber Laws" (McMillan), 2002.

- "Information Technology: Law and Practice" (Universal Law Publishing Company), 2004. Updated Reprint, March 2005.

- Contributory Author: "e-commerce: A New Business Paradigm" in "Legal Dimensions of Cyberspace" Ed. S.K. Verma and Raman Mittal (ILI Publication, New Delhi), 2004.

- Contributory Author: "Cyber Crime and Computer Forensics"

in "Handbook of Forensic Science" Ed Prof. (Dr.) Vimala Veeraraghavan (Selective and Scientific Books, New Delhi),
12004.

T.K. Viswanathan

134. Secretary to the Ministry of Law and Justice (Legislative Department) T.K. Viswanathan earned a Bachelor of Science and Bachelor of Letters (1972) and a Master of Letters in Jurisprudence (1975) from the University of Madras. He practiced corporate and tax laws as Advocate with Uttama Reddy and Company Tax Consultants from 1972-76. Viswanathan joined the faculty of Madras Law College as a full time law teacher in 1976 and was promoted to professor in 1988.

135. In 1988, Viswanathan joined the Ministry of Law, Justice and Company Affairs (Legislative Department). He spent the first half of 1992 studying international commercial transactions, international law, and treaty drafting at the Institute of Advanced Legal Studies at the University of London. Promoted to Joint Secretary and Legislative Counsel in the Legislative Department in 1994, Viswanathan went on to draft the Depositories Act (1996), the Foreign Exchange Management Act (1998), the constitutional amendment to provide reserved seats for women in Parliament and state legislatures, the Electricity Regulatory Commissions Act (1998), the Central Vigilance Commission Bill (1999), the Prevention of Money Laundering Bill (1999); the Insurance Regulatory and Development Authority Act (1999), the IT Act

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(2000), the Communications Convergence Bill (2000), and the Competition Bill (2001). He was promoted to Additional Secretary in the Law Ministry (Legislative Department, 1998),

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Member-Secretary Law Commission (2000), and Secretary in the Ministry of Law and Justice (Legislative Department) in 2003.

136. Viswanathan is a member of the Cyber Regulations Advisory Committee, Ministry of Information Technology. He was invited by the United Nations Environment Program as a subject matter expert in to participate in meetings on liability regimes in Geneva in May 2002, and he delivered a talk on judiciary Backlogs in the Indian Judiciary at the Legal Vice Presidency of the World Bank in Washington in June 12002. Viswanathan,s interests include American history and legal and judicial reform.

137. Visit New Delhi's Classified Website:
(<http://www.state.sgov.gov/p/sa/newdelhi/>)
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